

EEEEEEEEE	RRRRRRRRR	FFFFFFFFFFF
EEEEEEEEE	RRRRRRRRR	FFFFFFFFFFF
EEEEEEEEE	RRRRRRRRR	FFFFFFFFFFF
EEE	RRR	FFF
EEEEEEEEE	RRRRRRRRR	FFFFFFFFFFF
EEEEEEEEE	RRRRRRRRR	FFFFFFFFFFF
EEEEEEEEE	RRRRRRRRR	FFFFFFFFFFF
EEE	RRR RRR	FFF
EEEEEEEEE	RRR RRR	FFF
EEEEEEEEE	RRR RRR	FFF
EEEEEEEEE	RRR RRR	FFF

\*\*FILE\*\* ID\*\*DHEADS

E 6

DDDDDDDD DD HH HH EEEEEEEEEE AA AAAAAA DDDDDDDD SSSSSSSS  
DDDDDDDD DD HH HH EEEEEEEEEE AA AAAAAA DDDDDDDD SSSSSSSS  
DD DD HH HH EE AA AA DD DD SS SS  
DD DD HH HH EE AA AA DD DD SS SS  
DD DD HH HH EE AA AA DD DD SS SS  
DD DD HH HH EE AA AA DD DD SS SS  
DD DD HHHHHHHHHH EEEEEEEE AA AA DD DD SS SS  
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DD DD HH HH EE AAAAAAAA DD DD SS SS  
DD DD HH HH EE AAAAAAAA DD DD SS SS  
DD DD HH HH EE AA AA DD DD SS SS  
DD DD HH HH EE AA AA DD DD SS SS  
DDDDDDDD HH HH EEEEEEEEEE AA AA DDDDDDDD SSSSSSSS  
DDDDDDDD HH HH EEEEEEEEEE AA AA DDDDDDDD SSSSSSSS

The image shows a 10x10 grid of binary symbols. The symbols are arranged to form a stylized arrow pointing to the right. The 'L' symbols are located in the top-left corner, bottom-left corner, and a vertical column on the far left. The 'S' symbols are located in the top-right corner, bottom-right corner, and a vertical column on the far right. The central area of the grid contains a mix of 'L' and 'S' symbols, with 'L's forming the left side of the arrowhead and 'S's forming the right side.

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```
0001
0002 C Version:      'V04-000'
0003
0004 ****
0005 C*
0006 C* COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0023 C*
0024 C*
0025 ****
0026 C
0027 C
0028 C      Author Brian Porter           Creation Date 15-JUN-1981
0029
0030 C++
0031 C      Functional description:
0032 C
0033 C      This routine is called to identify the device for 'DEVICE ERROR',
0034 C      'DEVICE ATTENTION' and 'DEVICE TIMEOUT' entries.
0035 C
0036 C      Modified by:
0037 C
0038 C      V03-003 SAR0252      Sharon A. Reynolds    23-Apr-1984
0039 C          Added a field length for the output of the device name.
0040 C
0041 C      V03-002 SAR0068      Sharon A. Reynolds,   20-Jun-1983
0042 C          Changed the carriage control in the 'format' statements
0043 C          for use with ERF.
0044 C
0045 C      V03-001 BP0003      Brian Porter,        03-MAR-1982
0046 C          Added more arguments to dhead2 call. Added dhead3
0047 C          routine
0048 C**
0049 C--
0050
0051
0052
0053
0054 subroutine dhead1 (lun,device_type)
0055
0056
0057
```

```
0058  
0059     include 'src$:msghdr.for /nolist'  
0118  
0119     include 'src$:deverr.for /nolist'  
0220  
0221  
0222  
0223  
0224         byte          lun  
0225  
0226         character(*)  device_type  
0227  
0228  
0229  
0230             call header (lun)  
0231  
0232             if (emb$w_hd_entry .eq. 1) then  
0233  
0234                 call logger (lun,'DEVICE ERROR')  
0235  
0236                 else if (emb$w_hd_entry .eq. 96) then  
0237  
0238                     call logger (lun,'DEVICE TIMEOUT')  
0239  
0240                     else if (emb$w_hd_entry .eq. 98) then  
0241  
0242                         call logger (lun,'DEVICE ATTENTION')  
0243                         endif  
0244  
0245             call dhead2 (lun,device_type,emb$b_dv_namlng,emb$t_dv_name,  
0246             1 emb$w_dv_unit)  
0247  
0248             return  
0249  
0250         end
```

DHEAD1

H 6  
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Page 3

## **PROGRAM SECTIONS**

Name	Bytes	Attributes
0 \$CODE	121	PIC CON REL LCL SHR EXE RD NOWRT LONG
1 \$PDATA	45	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2 \$LOCAL	108	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
3 EMB	512	PIC OVR REL GBL SHR NOEXE RD WRT LONG
Total Space Allocated	786	

## **ENTRY POINTS**

Address	Type	Name
0-00000000	DHEA	

## VARIABLES

Address	Type	Name
AP-00000008a	CHAR	DEVICE_TYPE
3-00000010	I*1	EMBSB_DV_ERTCNT
3-0000003E	I*1	EMBSB_DV_NAMLNG
3-0000001D	I*1	EMBSB_DV_TYPE
3-00000012	I*4	EMBSL_DV_IOSB1
3-00000026	I*4	EMBSL_DV_MEDIA
3-0000002E	I*4	EMBSL_DV_OPCNT
3-0000001E	I*4	EMBSL_DV_RQPID
3-0000003F	CHAR	EMBST_DV_NAME
3-00000022	I*2	EMBSW_DV_BOFF
3-0000003C	I*2	EMBSW_DV_FUNC
3-0000002A	I*2	EMBSW_DV_UNIT
3-0000000E	I*2	EMBSW_HD_ERRSEQ

Address	Type	Name
3-00000001C	L*1	EMBSB_DV_CLASS
3-000000011	L*1	EMBSB_DV_ERTMAX
3-00000003A	L*1	EMBSB_DV_SLAVE
3-000000036	I*4	EMBSL_DV_CHAR
3-000000016	I*4	EMBSL_DV_IOSB2
3-00000004E	I*4	EMBSL_DV_NUMREG
3-000000032	I*4	EMBSL_DV_OWNUIC
3-000000000	I*4	EMBSL_HD_SID
3-000000024	I*2	EMBSW_DV_BCNT
3-00000002C	I*2	EMBSW_DV_ERRCNT
3-00000001A	I*2	EMBSW_DV_STS
3-000000004	I*2	EMBSW_HD_ENTRY
AP-000000043	L*1	LUN

## ARRAYS

Address	Type	Name	Bytes	Dimensions
3-00000000	L*1	EMB	512	(0:511)
3-00000052	I*4	EMBSL_DV_REGSAV	420	(0:104)
3-00000006	I*4	EMBSQ_HD-TIME	8	(2)

## FUNCTIONS AND SUBROUTINES REFERENCED

Type	Name	Type	Name	Type	Name
DHEAD2		HEADER		LOGGER	

0001  
0002  
0003  
0004  
0005 subroutine dhead2 (lun,device\_type,emb\$b\_zz\_namng,emb\$t\_zz\_name,  
0006 1 emb\$w\_zz\_unit)  
0007  
0008  
0009  
0010  
0011 include 'src\$:msghdr.for /nolist'  
0012  
0013  
0014  
0015  
0016 byte lun  
0017 character\*(\*) device\_type  
0018 byte emb\$b\_zz\_namng  
0019 character\*(\*) emb\$t\_zz\_name  
0020 integer\*2 emb\$w\_zz\_unit  
0021 integer\*4 caller\_mount\_flag\_and\_label  
0022 character\*12 last\_emb\$t\_vm\_label  
0023 integer\*4 last\_emb\$t\_vm\_label\_length  
0024 logical\*1 last\_emb\$t\_vm\_label\_valid  
0025 logical\*1 str\$trim  
0026 integer\*4 compress4  
0027  
0028  
0029 last\_emb\$t\_vm\_label\_valid = .false.  
0030 call get\_current\_label (3,emb\$l\_hd\_sid,emb\$b\_zz\_namng,emb\$t\_zz\_name,  
0031 1 emb\$w\_zz\_unit,%ref(last\_emb\$t\_vm\_label),\*5)  
0032 last\_emb\$t\_vm\_label\_valid = .true.  
0033  
0034 5 continue  
0035  
0036 if (.not. str\$trim (last\_emb\$t\_vm\_label,last\_emb\$t\_vm\_label,  
0037 1 last\_emb\$t\_vm\_label\_length)) then  
0038 last\_emb\$t\_vm\_label\_length = 12  
0039 endif  
0040  
0041 if (  
0042 1 last\_emb\$t\_vm\_label\_valid  
0043  
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0115

```
0116  
0117  
0118  
0119  
0120      10    continue  
0121  
0122      call linchk (lun,2)  
0123  
0124      write(lun,15) device_type,emb$t_zz_name(1:emb$b_zz_nam$ng),  
0125      1 emb$w_zz_unit,'',CURRENT LABE[",  
0126      1 last_emb$t_vm_label(1:last_emb$t_vm_label_length),"",  
0127      format('/' ','a,'SUB-SYSTEM, UNIT',a$emb$b_zz_nam$ng),  
0128      1 i<compress4 (lib$extzv(0,16,emb$w_zz_unit))>,:',3(:a))  
0129  
0130      return  
0131      endif  
0132  
0133      20    continue  
0134  
0135      call linchk (lun,2)  
0136  
0137      write(lun,15) device_type,emb$t_zz_name(1:emb$b_zz_nam$ng),  
0138      1 emb$w_zz_unit  
0139  
0140      return  
0141  
0142  
0143  
0144      entry dhead3 (lun,device_type,emb$b_zz_nam$ng,emb$t_zz_name,  
0145      1 emb$w_zz_unit,caller_mount_flag_and_label)  
0146  
0147  
0148  
0149      last_emb$t_vm_label_valid = .false.  
0150  
0151      if (caller_mount_flag_and_label .eq. -1) goto 20  
0152  
0153      call movc3 (%val(12),%val(caller_mount_flag_and_label),  
0154      1 %ref(last_emb$t_vm_label))  
0155  
0156      if (.not. str$trim (last_emb$t_vm_label,last_emb$t_vm_label,  
0157      1 last_emb$t_vm_label_length)) then  
0158      last_emb$t_vm_label_length = 12  
0159      endif  
0160  
0161  
0162      last_emb$t_vm_label_valid = .true.  
0163  
0164      goto 10  
0165  
0166      end
```

DHEAD2

K 6  
16-Sep-1984 00:19:35  
5-Sep-1984 13:52:25

VAX-11 FORTRAN V3.4-56  
DISKSVMMASTER:[ERF.SRC]

VAX-11 FORTRAN V3.4-56  
DISK\$VMSMASTER:[ERF.SRC]DHEADS.FOR:1

Page 6

## PROGRAM SECTIONS

Name	Bytes	Attributes
0 SCODE	449	PIC CON REL LCL SHR EXE RD NOWRT LONG
1 SPDATA	83	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2 SLOCAL	180	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
3 EMB	512	PIC OVR REL GBL SHR NOEXE RD WRT LONG
Total Space Allocated	1224	

## **ENTRY POINTS**

Address	Type	Name	Address	Type	Name
0-00000000	DHEAD2		0-0000012B	DHEAD3	

## VARIABLES

Address	Type	Name	Address	Type	Name
AP-000000018a	I*4	CALLER_MOUNT_FLAG_AND_LABEL	AP-000000008a	CHAR	DEVICE_TYPE
2-000000014a	L*1	EMBSB_ZZ_NAMING	3-000000000	I*4	EMBSL_HD_SID
AP-000000010a	CHAR	EMBST_ZZ_NAME	3-000000004	I*2	EMBSW_HD_ENTRY
3-0000000E	I*2	EMBSW_HD_ERRSEQ	2-000000018a	I*2	EMBSW_ZZ_UNIT
2-000000000	CHAR	LAST_EMBST_VM_LABEL	2-000000010	I*4	LAST_EMBST_VM_LABEL_LENGTH
2-00000000C	L*1	LAST_EMBST_VM_LABEL_VALID	AP-000000004a	L*1	LUN

## ARRAYS

Address	Type	Name	Bytes	Dimensions
3-00000000	L*1	EMB	512	(0:511)
3-00000006	I*4	EMBSQ HD TIME	8	(2)

## LABELS

Address	Label	Address	Label	Address	Label	Address	Label
0-0000004A	5	0-00000062	10	1-00000022	15'	0-000000DA	20

## **FUNCTIONS AND SUBROUTINES REFERENCED**

Type	Name	Type	Name	Type	Name
I*4	COMPRESS4			I*4	LIB\$EXTZV
LINCHK		MOVE3	GET_CURRENT_LABEL	L*1	STR\$TRIM

DHEAD2

16-<sup>6</sup>  
5-Sep-1984 00:19:35 VAX-11 FORTRAN v3.4-56  
5-Sep-1984 13:52:25 DISK\$VMSMASTER:[ERF.SRC]DHEADS.FOR;1 Page 7

COMMAND QUALIFIERS

FORTRAN /LIS=LISS:DHEADS/OBJ=OBJ\$:DHEADS MSRC\$:DHEADS  
/CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)  
/DEBUG=(NOSYMBOLS,TRACEBACK)  
/STANDARD=(NOSYNTAX,NOSOURCE FORM)  
/SHOW=(NOPREPROCESSOR,NOINCLUDE,MAP)  
/F77 /NOG\_FLOATING /I4 /OPTIMIZE /WARNINGS /NOD\_LINES /NOCROSS\_REFERENCE /NOMACHINE\_CODE /CONTINUATIONS=19

COMPILE STATISTICS

Run Time: 2.96 seconds  
Elapsed Time: 9.20 seconds  
Page Faults: 132  
Dynamic Memory: 175 pages

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VAR

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APPL

0147 AH-BT13A-SE  
VAX/VMS V4.0

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DECODECC  
LIS

DUMPREG  
LIS

CALCMAP  
LIS

DUP3221  
LIS

CRYPTK  
LIS

DDDISKS  
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DUP11  
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